

solar hot water solutions

stainless steel roof systems





THE EDWARDS STORY

There's been a lot of advances in solar technology since Edwards commenced manufacturing water heaters in Australia in 1963. Today, an international organisation, Edwards has progressed to be a leader in producing hot water systems for both domestic and commercial purposes using solar technology to meet any client requirements. Generally, where there's sunshine you'll find an Edwards stainless steel solar water system hard at work – in Asia, the Pacific, in the Americas, Europe, Africa and the Middle East – gaining a world wide reputation for excellent value for money and the latest in engineering design. With the financial, engineering and technical resources of Edwards and a commitment to quality, innovation, after sales service and extensive warranty, Edwards has become a major force in solar hot water around the world.



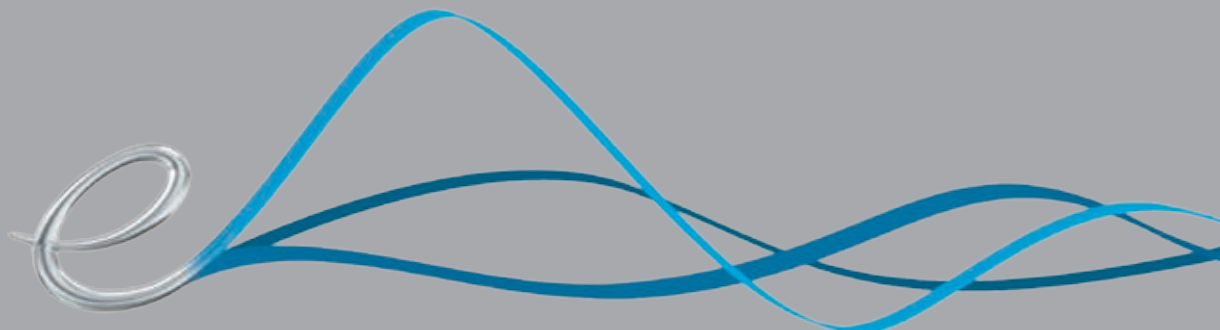
EDWARDS AFTER-SALES CARE

Edwards carefully manufactures its range of Solar Water Heaters so that they operate trouble-free for years on end. Edwards is happy to provide you with the peace of mind of our comprehensive warranties to ensure your complete satisfaction and confidence in our product for years to come.

As further support Edwards has in place easily accessed service providers. These experienced technical personnel are authorised to provide you with whatever service your Edwards Solar Hot Water system may require. Just one call is all it takes.



edwards gives you the **choice**





EFFICIENCY
ECONOMY
EXCELLENCE
ENVIRONMENT

so advanced it collects awards

THE STAINLESS STEEL ADVANTAGE

The storage cylinders for all Edwards roof-mounted solar water heaters are long life stainless steel. Stainless steel acts as a natural barrier to corrosion. Therefore, Edwards stainless steel systems do not require a sacrificial anode and are virtually maintenance free. On the other hand, competitors mild steel cylinders with vitreous glass lining are prone to corrosion once the anode has been mostly consumed. Mild steel cylinders can also corrode from the outside as well as from the inside.

Because of the superior qualities of the Edwards stainless steel systems our award winning performance has earned independent recognition, endorsing Edwards leadership in solar hot water technology.



HIA Greensmart Award
Product of the Year



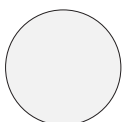
Green Plumbers
Energy Efficient
Product of the Year



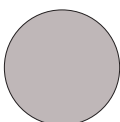
Live Energy Smart
Brand Champion

CONTEMPORARY RANGE OF COLOURS

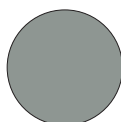
The outer casing of Edwards storage tanks is constructed from highly durable, weatherproof COLORBOND® steel. Edwards offer a choice of seven modern COLORBOND® steel colours with their roof mounted range. This colour choice allows you to choose a system which will complement your roof and blend with your home's aesthetics. All this at no additional cost!



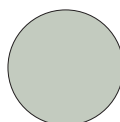
Surfmist®



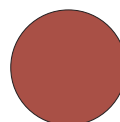
Silver Grey



Woodland Grey™



Pale Eucalypt™



Headland®



Deep Ocean®



Night Sky™

Colours shown are representative only and may vary from actual COLORBOND® steel colour



EDWARDS
solar hot water®



so advanced it **pays for itself**

SAVE ON ENERGY COSTS

An Edwards stainless steel solar hot water system is a good environmental and financial investment. It can significantly reduce fossil fuel energy use and consequent pollution and greenhouse gas emissions. A fact recognised by some State Governments across Australia who have banned the use of electric hot water systems in new homes. Not only are you helping the environment by installing an Edwards stainless steel solar hot water system, you will also enjoy substantial savings on your household hot water costs of between 50%-90%⁺⁺.

GOVERNMENT INCENTIVES AND REBATES**

The benefits to the environment are so evident that the Federal Government has implemented a financial incentive program; Renewable Energy Certificates (RECs). Some State Governments offer further rebates to encourage the use of solar hot water. These incentives can substantially reduce your initial investment making an Edwards stainless steel solar hot water system not only a good choice for the environment but also for your pocket. Ask your local Edwards Dealer how much you could save.

NO INTEREST EVER - SOLAR DIRECT⁺



Edwards Solar Direct is the easiest way to purchase a solar hot water system. Edwards offers you two options; either 12 or 18 month terms by just filling in a simple one page application form. Why wait! Enjoy all the benefits today of owning a quality Edwards stainless steel solar hot water system whilst paying NO INTEREST EVER on the purchase.

The process takes only a few minutes and once approved you pay... NO INTEREST EVER! Ask your local Edwards Dealer for more information.





L SERIES 2

If your home is in a temperate or tropical location, which is not subject to frost, and you have good quality drinking water, then the L Series 2 system is ideal. This system operates on the natural thermosiphon principle, i.e. when water is heated it rises. The L Series 2 system directly heats the water as it passes through the collectors and then automatically circulates it back into the storage tank. This process continues whilst the sun is shining, giving you and your family hot water free from the sun.

The new modern design of the L Series 2 systems will add value to any home. This, combined with the strength of long lasting stainless steel and the confidence of purchasing a quality Australian designed and manufactured product, will provide you with peace of mind when enjoying your new Edwards L Series 2 Solar Hot Water System.

LX SERIES 2

For areas which experience frost or snow and perhaps have less than reliable water quality, the Edwards

LX Series 2 system is the only choice.

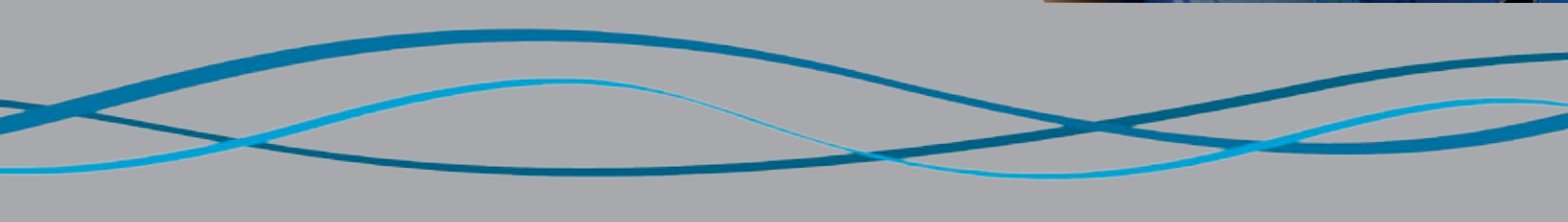
It uses the highly efficient heat transferring properties of a special anti-freeze fluid to transfer the absorbed energy to heat the water indirectly.

With an 'indirect system' water does not pass through the collector panels, instead the anti-freeze mixture is circulated from the collectors through a stainless steel heat exchanger, transferring the heat into the water.

The benefit of this 'indirect' heat exchange process is that the system can be used confidently in frost areas, without risking damage to the system; it offers protection against freeze damage in sub-zero conditions.

The new modern design of the LX Series 2 system was designed and manufactured right here in Australia for our harsh Australian conditions, not only will it complement any home's roof and save you immediately on your home's energy costs, it offers you peace of mind knowing it has been developed to last for years in our tough climate.

DO YOUR BIT FOR THE PLANET





AUSTRALIS SERIES 2 – THE HIGH PERFORMANCE COLLECTOR

If your home is situated in an area with abundant sunshine – then the Edwards Australis Series 2 collector is for you. With your wonderful climate, this proven Edwards Australis Series 2 collector will supply you and your family abundant piping hot water. The Australis Series 2 is solidly constructed from high grade copper and aluminium and is housed in a durable long life COLORBOND® steel tray.



TITAN SERIES 2 – THE ULTIMATE COLLECTOR

Introducing the Titan Series 2 collector – designed especially for high performance in cooler climates. Edwards has taken advantage of the latest advances in heat-transfer technology to build superior solar collectors to gather as much of the sun's energy as required. The Titan Series 2 collector uses an advanced titanium coated copper solar absorber plate combining first grade copper with titanium, to show superior qualities in both solar performance and durability when compared with other solar collectors available.



which system suits you

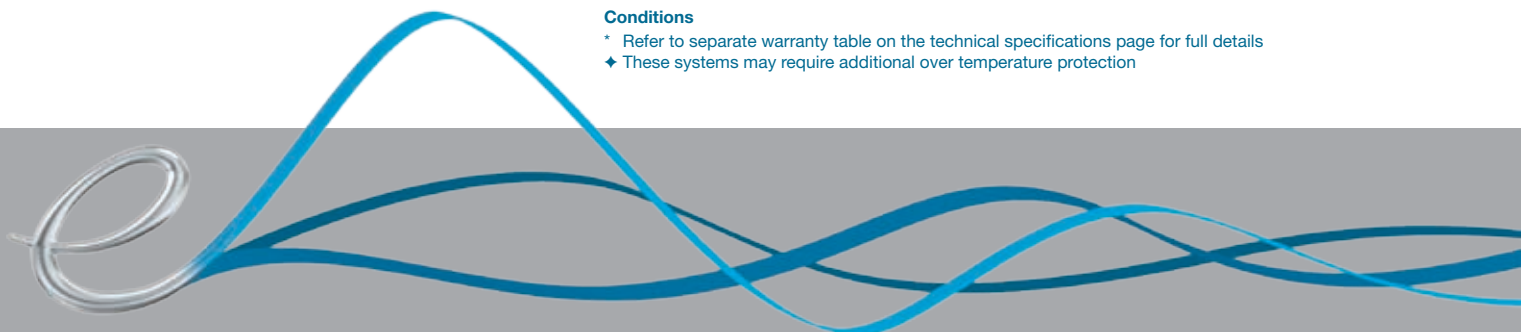
Which system you choose will depend on where in Australia you live, which way your home faces and even the pitch of your roof. So it's important to talk to your local Edwards dealer about the Edwards Solar Hot water system which is ideal for you.

There will be days during the year when your solar system doesn't receive sufficient energy from the sun to provide all the hot water you need. Edwards gives you the option to have either an in tank electric element booster or a gas in-line continuous flow boosting unit. The choice is yours; ask your local Edwards Solar Hot Water dealer which option would be best suited to you.

| | Frost Areas | Water Quality | Warranty | Solar Contribution Area | | |
|----------------------------|--------------|---------------|-----------|-------------------------|--------|------|
| | | | | Low | Medium | High |
| L Series 2 Systems | | | | | | |
| Australis 2 | Not Suitable | Potable | 6 years* | Not Suitable | ✓ | ✓ |
| Titan 2 | Not Suitable | Potable | 10 years* | ✓ | ✓ | ◆ |
| LX Series 2 Systems | | | | | | |
| Australis 2 | ✓ | Wide Range | 6 years* | Not Suitable | ✓ | ✓ |
| Titan 2 | ✓ | Wide Range | 10 years* | ✓ | ✓ | ◆ |

Conditions

- * Refer to separate warranty table on the technical specifications page for full details
- ◆ These systems may require additional over temperature protection



stainless steel roof systems technical specifications



| Units | | L180 | L305 | L440 | LX180 | LX305 | LX440 |
|-----------------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| STORAGE CYLINDER | | | | | | | |
| Capacity | litres / US gal | 180 / 48 | 305 / 80 | 440 / 116 | 177 / 47 | 294 / 73 | 429 / 113 |
| Outside Dimensions | mm | 571 x 1215 | 571 x 1905 | 571 x 2700 | 571 x 1215 | 571 x 1905 | 571 x 2700 |
| Weight - Full | kg / lbs | 232 / 512 | 384 / 847 | 555 / 1224 | 237 / 522 | 378 / 833 | 545 / 1201 |
| Weight - Empty | kg / lbs | 52 / 115 | 79 / 174 | 115 / 254 | 60 / 132 | 84 / 185 | 116 / 256 |
| Max Inlet Pressure | kPa / psi | 550 / 80 | 550 / 80 | 550 / 80 | 550 / 80 | 550 / 80 | 550 / 80 |
| Insulation - Thickness | mm / in | 47 / 1.85 | 47 / 1.85 | 47 / 1.85 | 47 / 1.85 | 47 / 1.85 | 47 / 1.85 |
| TOTAL SYSTEM | | | | | | | |
| Dimensions - Area on roof | mm | 2562 x 1615 | 2562 x 2494 | 2562 x 3581 | 2562 x 1615 | 2562 x 2494 | 2562 x 3581 |
| No. of Collectors (Typical) | | 1 | 2 | 3 | 1 | 2 | 3 |
| Weight - Full* | kg / lbs | 267 / 589 | 454 / 1001 | 660 / 1455 | 277 / 611 | 455 / 1003 | 659 / 1453 |
| Weight - Empty* | kg / lbs | 85 / 187 | 145 / 320 | 214 / 472 | 98 / 216 | 157 / 346 | 225 / 496 |

* Total system weight based on the use of Australis Series 2 collectors

| 'Titan 2' Collector | | | | | |
|----------------------------|-----------------------|------|-----------------|-----|------|
| Aperture (heating) area | m ² | 1.86 | ft ² | 20 | |
| Dimensions | length | mm | 1941 | in | 76.5 |
| | width | mm | 1027 | in | 40.5 |
| | height | mm | 84 | in | 3.3 |
| Capacity | litres | 1.6 | US gal | 0.4 | |
| Weight | empty | kg | 33.6 | lbs | 75 |
| | full | kg | 35.2 | lbs | 77.6 |
| Max. pressure | kPa | 1000 | psi | 145 | |
| Absorber surface | Blue TiNOX® sputtered | | | | |
| Absorber material | Copper | | | | |
| Riser material | Copper Tube | | | | |
| Number of risers | 7 | | | | |

| 'Australis 2' Collector | | | | | |
|--------------------------------|-----------------------------|------|-----------------|-----|------|
| Aperture (heating) area | m ² | 1.86 | ft ² | 20 | |
| Dimensions | length | mm | 1941 | in | 76.5 |
| | width | mm | 1027 | in | 40.5 |
| | height | mm | 84 | in | 3.3 |
| Capacity | litres | 1.8 | US gal | 0.5 | |
| Weight | empty | kg | 35 | lbs | 77.2 |
| | full | kg | 36.8 | lbs | 81.1 |
| Max. pressure | kPa | 1000 | psi | 145 | |
| Absorber surface | Black polyester powder coat | | | | |
| Absorber material | Aluminium | | | | |
| Riser material | Copper tube | | | | |
| Number of risers | 6 | | | | |

** Eligibility Conditions Apply - see instore for details

* Solar Direct is provided by Certegy Australia to approved customers. Conditions apply - see instore for details

** Savings of 50% - 90% shown are based on Australian Government approved TRNSYS simulation modelling. Savings and incentives will vary depending upon your location, type of Edwards system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.

| * Warranty Duration | Cylinder | Collector | Spare Parts | Labour |
|--------------------------|----------|-----------|-------------|---------|
| L/ LX Australis Series 2 | 6 years | 6 years | 1 year | 1 year |
| L/ LX Titan Series 2 | 10 years | 10 years | 5 years | 5 years |



This publication is printed using green energy onto paper stock which is totally chlorine free and manufactured from pulp sourced from plantation brown timber. Both paper manufacturer and printer are approved to the highest environmental standards.



Your Local Dealer:



EDWARDS
solar hot water®

FOR SALES ASSISTANCE CALL

1300 SOLARS
1 3 0 0 7 6 5 2 7 7

(AUSTRALIA ONLY)

FOR SERVICE ASSISTANCE CALL

1300 EDWARDS
1 3 0 0 3 3 9 2 7 3 7

(AUSTRALIA ONLY)

w: www.edwards.com.au

e: info@edwards.com.au

abn: 21 098 823 511

Re-Order Code: EDWSSRS8A4 (January 2010)